

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 210 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b> M. DeCorte	<b>Locality:</b>
<b>Date Desc.:</b> 10/04/91	<b>Elevation:</b> 260 metres
<b>Map Ref.:</b> Sheet No. : 8257 GPS	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 7781988 AMG zone: 55	<b>Runoff:</b> No runoff
<b>Easting/Lat.:</b> 463256 Datum: AGD66	<b>Drainage:</b> Well drained

#### Geology

<b>ExposureType:</b> No Data	<b>Conf. Sub. is Parent. Mat.:</b> No Data
<b>Geol. Ref.:</b> No Data	<b>Substrate Material:</b> Undisturbed soil core, Granodiorite

#### Land Form

<b>Rel/Slope Class:</b> Gently undulating rises 9-30m 1-3%	<b>Pattern Type:</b> Rises
<b>Morph. Type:</b> Flat	<b>Relief:</b> No Data
<b>Elem. Type:</b> Hillslope	<b>Slope Category:</b> Level
<b>Slope:</b> 1 %	<b>Aspect:</b> 120 degrees

**Surface Soil Condition (dry):** Hardsetting

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b> N/A
Haplic Eutrophic Red Chromosol Medium Non-gravelly Clay-loamy Clayey Moderately deep	<b>Principal Profile Form:</b> Dr2.12
<b>ASC Confidence:</b>	<b>Great Soil Group:</b> Non-calcic brown soil
No analytical data are available but confidence is fair.	

**Site Disturbance:** No effective disturbance other than grazing by hoofed animals

**Vegetation:** Low Strata - Tussock grass, 0.51-1m, Mid-dense. \*Species includes - Bothriochloa ewartiana, Heteropogon contortus,  
Chrysopogon fallax Mid Strata - Tree, 3.01-6m, Sparse. \*Species includes - Eucalyptus erythrophloia  
Tall Strata - Tree, 6.01-12m, Isolated plants. \*Species includes - Eucalyptus crebra

**Surface Coarse Fragments:** No surface coarse fragments

#### Profile Morphology

A1	0 - 0.12 m	Dark reddish brown (5YR2/3-Moist); ; Sandy clay loam; Moderate grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Common, very fine (0-1mm) roots; Clear, Smooth change to -
A3	0.12 - 0.25 m	Dark reddish brown (5YR3/4-Moist); ; Sandy clay loam (Heavy); Moderate grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Firm consistence; , Calcareous, , , , Gypseous, , ; Common, very fine (0-1mm) roots; Abrupt, Smooth change to -
B1	0.25 - 0.35 m	Dark reddish brown (2.5YR3/4-Moist); ; Light clay; Weak grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Many (>5 per 100mm2) Medium (2-5mm) macropores, Moderately moist; Very firm consistence; 10-20%, medium gravelly, 6-20mm, angular, Granodiorite, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.3); Few, coarse (>5mm) roots; Abrupt, Smooth change to -
B21	0.35 - 0.72 m	Dark red (2.5YR3/6-Moist); Substrate influence, 7.5YR82, 2-10% , 0-5mm, Prominent; Substrate influence, 2-10% ; Light medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Many (>5 per 100mm2) Medium (2-5mm) macropores, Moist; Very firm consistence; Few cutans, <10% of ped faces or walls coated, distinct; , Calcareous, , , , Gypseous, , ; Field pH 7.5 (Raupach, 0.7); Few, coarse (>5mm) roots; Clear, Smooth change to -
C	0.72 - 0.8 m	; , Calcareous, , , , Gypseous, , ;

#### Morphological Notes

#### Observation Notes

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**Laboratory Test Results:**

[illegible][illegible][illegible]

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**Laboratory Analyses Completed for this profile**

4A1                      pH of 1:5 soil/water suspension